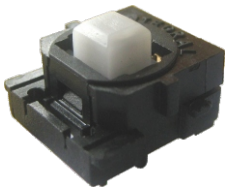
KEY SWITCHES

Series 18

DESCRIPTION

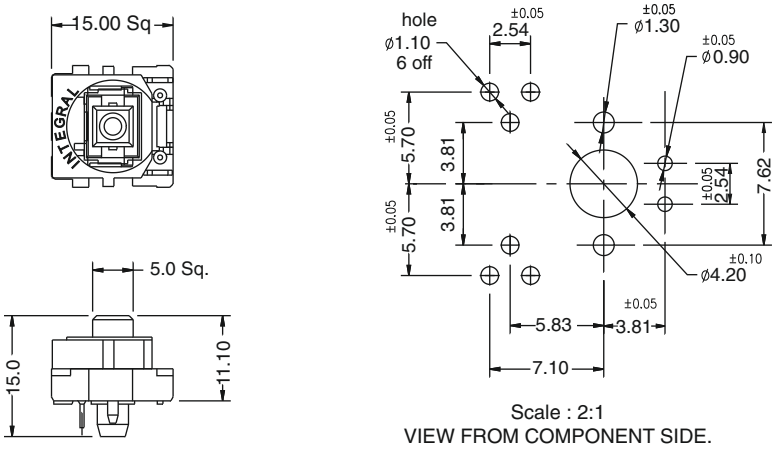


Integral Series 18 Key Switches are ideal for data-transfer use in Machine Tool Controls and other Industrial Equipments where long life is required. Self aligning plastic pins ensure that the insertion into the PCB is easier and does not damage the contact pins.

Use of Beryllium Copper Spring Contact with Gold plating on Stator Pins also ensures a working life of more than a million cycles.

The Switches can be hand-soldered or wave soldered. **Insert-moulded** terminals prevent the penetration of flux and solder. However immersion in cleaning solution should not be above the PCB level.

DIMENSIONAL DETAILS



Scale : 2:1
VIEW FROM COMPONENT SIDE.

Position of the LED anode is marked on the housing base with +

SPECIFICATIONS

CONTACT RATING	:	50mA @ 12 V DC
CONTACT RESISTANCE	:	< 100 milliohms initial at 2-6 V DC
INSULATION RESISTANCE	:	> 1000 Megaohms
VOLTAGE PROOF	:	1000 V AC
TEMP. RANGE	:	-25 °C to +85 °C
TOTAL TRAVEL	:	2.5 mm
PRE TRAVEL	:	1.6 ± 0.40 mm
ACTUATING FORCE	:	70 Gms. ± 30 Gms.
LIFE	:	$>10^6$ Cycles at 5V DC 2 mA
CONTACT BOUNCE	:	< 5 millisec.

MATERIALS & FINISHES

HOUSING & COVER	:	PBT (GF) UL approved
PLUNGER	:	Acetal
CONTACT PINS	:	Brass, plated Gold over Nickel
CONTACT MOVING	:	Beryllium Copper Plated Gold over Nickel
COMPRESSION SPRING	:	Stainless Steel

All Dimensions in mm.

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